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ABSTRACT

The first part of this catalog of nonprint materials lists alphabetically available films, filmstrips, audiotapes, and records useful to those in computer science education. Also included in this section is: grade level, running time, whether color or black-and-white, and the rental cost. Part two is a subject index. The final section of the catalog is a source list with addresses.
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A Catalog of Nonprint Materials Useful in Computer Related Instruction

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Oregon Total Information System (OTIS)
Fall 1973

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ED 006976

**A Catalog of
Nonprint Materials
Useful in
Computer Related Instruction**

**U S DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION**

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Fall 1973**

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FORWARD

Ideally, a catalog such as this should be self explanatory, deserving no qualification or instruction to its content or use. But, things being what they are, a word or two is in order. Besides, I could never resist forwards.

This catalog came about as a result of a project for a class in computer education from Dr. David Moursund, head of the University of Oregon Department of Computer Science. (See, I did get it done, David). I discarded the idea of doing a subject indexed catalog for all available materials. The print materials, i.e., books, texts, etc., run into the hundreds, possibly thousands. Collecting the bibliographic and annotative information, as well as subject cataloging them, was clearly beyond my resources. In addition, some not inconsiderable effort had been made to this end. Donald C. Holznagle put out an annotated bibliography of print and nonprint material, Computer Education Resource Catalog, under the auspices of the now defunct Computer Instruction Network. Copies of this catalog are available only if you've a friend who has one and is ready to lend it.

Since there were print bibliographies around, I chose to limit my catalog to nonprint materials.

The sources for my bibliographic information may be grouped by kind of agency: 1) school IMC collections, in this case Intermediate Educational Districts (IED), 2) data processing associations, my most voluminous sources, and 3) vendor catalogs.

Since OTIS has in machine storage the holdings of several IED's, I drew freely from those sources. Only a handful of entries came from these sources, though, attesting to the emergent status of computer science in the curriculum and the general lack of high quality materials in this area.

I also drew upon the holdings of the Multnomah IED IMC through the assistance of Jack Allen and David Ott of that agency. I appreciated their assistance.

Two associations produced catalogs of 16 MM films in this area.

Directory of Films for Data Education
Compiled by Arthur H. Pike, CDE. The
Society of Data Educators, Northfield,
Vermont 05663. 1972. Unpaginated.
List of sources in back.

This catalog had about 300 entries from over 60 sources.

Systems Film Catalog. Association for
Systems Management, 24587 Bagley Road,
Cleveland, Ohio 44138. N.D. 60 Pages.
Title, Film Source Index in back.

Entries are subject arranged. This catalog appears to be aimed at practitioners rather than educators, as subjects like "Human Relations" and "Office Management" indicate.

Though the second catalog above was arranged by ten subjects, both catalogs suffer from either inadequate or nonexistent subject catalogings. My attempts in this catalog were to catalog the material as usefully as possible. Sears Subject Classification did not provide as many subject headings as I felt were needed. Neither did the Eric Thesaurus of Descriptors. With the able and kind help of John Shirey, a computer science teacher in the Eugene School District, and Barry Tobias, a recent graduate of the University of Oregon School of Librarianship, the subject cataloging system was devised.

Ideally subject cataloging transpires after a careful review of the work itself. Outside of Bell Telephone's CARDIAC, in very few instances was this the case in this catalog. The information source for making subject headings came from vendor and/or association annotative material. Librarians may cringe at such practices. But the alternative would be the production of just another lengthy bibliography with no subject approaches.

In numbers of useful entries, vendors' catalogs fit somewhere between the school IMC and association catalogs. It should be noted that vendor-produced material is often promotional in nature. Both association and vendor catalogs were grievously amiss in not including the date of the material, either release date or copyright date. In an area as dynamic as computer science, the date is useful for determining a material's currency.

Math and science teachers and librarians should note that the vendors and various agencies listed dispense materials related to science generally, as well as to computer science. Of particular notice is Bell Telephone and the Atomic Energy Commission.

Do note that the source information is subject to change. Vendors may disappear for various reasons. The rental price, if any, has probably gone up. Some sources may not serve your area. For example, the various IED's (MCID, LIED), do not, as a general rule, serve schools outside their counties.

The rental information applies to the first source ("available from") listed.

Undoubtedly more materials exist than I was able to discover. Certainly at this writing new materials are either in process or recently released. Possibly I have overlooked some materials. In either case, if you find something good that is not here, please contact me.

One kind of material which I would name as nonprint but have not included in this catalog is that which is computer delivered, an omission I hope I can correct in some future edition of this catalog.

I invite you to communicate to me any comments regarding the 175 entries herein, and also about the catalog's efficacy in general. In the future, such comments will help me decide if a new edition is in order and what changes ought to be. Whether this catalog is useful depends upon how well it is received by you. That you can find the items you want is the test. If you cannot, I need to know about it.

Adventure in number and space series see
Quicker than you think--digital computers

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All the facts 10-A

Motion picture color 9 min. 16mm.

A case history of how one small businessman achieves the benefits of aib by utilizing the services of a data processing center.

available from: NCRC rental: FREE

America: On the Edge of Abundance 10-A

Motion picture 60 min. b&w 16mm

British television explores the far reaching economic and social consequences of the increasingly automated and computer-orientated society in the U.S.

available from: OCEP rental: 8.40

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AMVER-Automated Merchant Vessel Reports 10-A

Motion picture color 14 min.

A graphic fast-moving description of the AMVER system and how it works as an aid to the development and coordination of Search and Rescue efforts at sea. The system is shown in action as its electronic computers furnish positions and medical capability information of nearby merchant vessels in three distress cases--two different ships and one aircraft.

available from: USCG rental: FREE

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Area of Action 10-A

Motion picture 14 min. color 16mm

Award winning film on how nations in the Far East are turning to electronic data processing to increase business efficiency.

available from: INBM rental: FREE

Argentine Yard--Design for Tomorrow 10-A

Motion picture color 16 min.

Story of modern freight classification yards, using computers, radar, microwave, and data information systems to make yard operate nearly automatically.

available from: SPPL rental: FREE

Arts III...A New Look at Air Traffic 10-A

Motion picture color 10 min.

Provides a capsule overview of new Automated Radar Traffic Control Systems being installed by UNIVAC and the FAA. The

UNIVAC ARTS III system aids air traffic controllers identify aircraft and maintain effective control of heavily trafficked airports. Narrated by Martin Agronsky.
available from: UVAC rental: FREE

Automatic Information Retrieval 10-A
Motion picture 13 min. color 16mm
Describes a technical literature research system developed by G.E.'s Flight Propulsion Division that can search thousands of documents and locate in a matter of minutes information on any given subject.
available from: GENE rental: FREE

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Automation 10-A
Motion picture 28 min. b&w 16mm
Under the guidance of automatic control research engineers, a survey is made of laboratories doing pioneer work in the development of new machines designed to assume some of the duties once performed only by humans.
available from: UNIW rental: 6.00

Automation 10-A
Motion picture 3 reels b&w 37-23 & 25 min.
Narrated by Edward R. Murrow, the film explores the effects of automation in many industries. Although a decade old, many points are pertinent today. Takes more than one class period but continuity is not harmed by a break between reels. Reel 1: discusses development of automation from James Watt on. Reel 2: Comments at a union meeting on the effect of automation on workers, and their solutions. Reel 3: Interesting points: we need clarification of values; we should share abundance rather than divide scarcity; automation is an intellectual revolution; increasing the speed of communication does not improve that which is communicated.
available from: OCEP rental: 12.00

Automation: The Next Revolution 10-A
Motion picture 30 min. b&w
Good discussion starter. Includes comments by business leaders on their views of the problems of automation, and some examples of automation such as a shipping company and a bottling plant. Some questions considered: Is there always a place for a man who can earn his way? Do events force businessmen to automation? Should the rate of introduction of machines be such as to protect existing workers? Should we separate pay from work? The narrator's final comment is that problems

will be solved by inventiveness, courage, and kindness,
which machines do not possess.

available from: OCEP rental: 5.00

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The Bank 10-A

Motion picture 19 min. color 16mm

A detailed presentation of Demand Deposit Accounting, using the Programmed Applications Library approach on the IBM 1419/1401 Tape System. It includes demonstrations on the 1401 system, 1210 Proof Inscriber and 1203 Unit Inscriber, showing all accounting management reports.

available from: INBM rental: FREE

Base and Place 10-A

Motion picture 30 min. b&w 16mm

Film presents characteristics, history and applications of the binary system. Shows how numbers are represented in the binary system and its relationship to digital computers.

available from: UCAL rental: 9.00

A Better World 10-A

Motion picture 8 min. color 16mm

A film describing the influence of computers in our daily lives. A fast montage of applications covering a very broad range of subjects including education, medicine, traffic control on the ground and in the air, space research, law enforcement, and the general business community.

available from: INBM rental: FREE

Binary Number System 7-12

Film loops 8mm si color 4 min.

Introduces the binary number system and explains the use of binary symbols in computer language.

available from: BELT rental: FREE

By the Numbers 10-A

Motion picture 16 min. color 16mm

Tells how visual images are converted into numbers so that they can be interpreted by computers.

available from: INBM rental: FREE

CARDIAC (CARDboard Illustrative Aid to Computation) 7-12

Manipulative

CARDIAC is a manually operated cardboard computer. Its

repertoire of ten instructions enables it to solve surprisingly difficult problems. It comes with a 53-page illustrative manual that explains CARDIAC in terms of real computers and leads the student through ten programs. These range from a program for simple addition to a complex game-playing program.

available from: BELT rental: FREE

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Careers in Business 10-A

Motion picture 13 min. color 16mm

Portrays the need for secretaries, office workers, business machine operators, programmers, and other skilled occupations in business. Gives glimpses of in-training activities, and on-location activities employing skills as taught in business schools.

available from: NCAR rental: FREE

Careers in Business-Data Processing 10-A

Motion picture 13 min. color 16mm

Gives a historical approach to automation. It shows how, in earlier days, we used machines to help the muscles of man and how we now use machines to assist the minds of men.

available from: UNSC rental: 5.00

Careers in Computers and Data Processing 10-A

Motion picture 15 min. color 16mm

Produced for the Automation Institutes of America, this film explores the constantly growing needs of, as well as the variety of opportunities open in, science, business, and industry for trained computer personnel. Further answered is the question of how today's young man or woman enters into this challenging computer field.

available from: CDCO rental: FREE

The Catalyst 7-A

Motion picture 16mm color 13 min.

Film depicts Univac's real-time communications. The catalyst is the computer, created by Univac.

available from: UVAC rental: FREE

Census '70 10-A

Motion picture 10 min. 16mm

Featuring several closeup views of UNIVAC equipment, this film is in two parts. It was produced in collaboration with the JS Bureau of the Census.

available from: UVAC rental: FREE

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Changing months to minutes 10-A

Motion picture 15 min. color 16mm

Deals with the Milwaukee-Matic, a single unit, numerically controlled machining center. This unit performs operations such as milling, boring, drilling, and related operations automatically.

available from: KEAT rental: FREE

Clinical Uses of the Computer 10-A

Motion picture 20 min. color 16mm

Illustration and discussion of the 3300 computer and MEDLAB time-sharing system in the pioneering biomedical application at Latter Day Saints Hospital, Salt Lake City, Utah. Explains how the digital computer is used in conjunction with analog equipment for diagnosis and treatment of disease and for monitoring post-operative conditions of patients. Remote oscilloscope display stations are located in five different hospitals in the community.

available from: CDCO rental: FREE

Communications Explosion 10-A

Motion picture 25 min. color 16mm

Examines communications patterns of the future. Considers world-wide broadcasting by satellite, laser, telephone networks, three-dimensional TV, permanent printout copies of television images, and talking computers.

available from: OCEF rental: 5.00

The Computer 2-6

Motion picture 11 min. si. color 16mm. guide

Provides an understanding of what kind of machine the computer is and how it works with information to help us in many areas of our modern world.

available from: LANE rental: FREE

Computer Aided Airfoil Design 10-A

Motion picture 9 min. color 16mm

Illustrates use of computer-graphics for the synthesis of a two dimensional airfoil for flow.

available from: LOGE rental: FREE

Computer and the mind of man series see

The Control revolution

Engine At the Door

Logic by Machine

Managers and Models

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Computer Animation 10-A

Motion picture 30 min. color 16mm

Discusses how, as animated films have become indispensable tools for educational and training purposes, the role of computers in their production has steadily increased. Shows and discusses animations generated by both analog and digital computers for weather displays, architectural and engineering stress analysis, and aircraft navigation and landing instruction, and also as works of art.

available from: UCAL rental: FREE

Computer Flow Charts 7-12

Film loop 8mm si. color 4 min.

Organizes a simple problem into a flowchart similar to those used by computer programmers and solves the problem by following the flowchart.

available from: BELT rental: FREE

Computer Fluid Dynamics 10-A

Motion picture 24 min. color 16mm

Demonstrates the power of electronic computers for solving problems previously impractical to undertake. Includes scenes of a bridge being shaken apart, followed by computer-produced movies that reveal the wind eddies responsible for the catastrophe.

available from: UAEC rental: FREE

A Computer Glossary 10-A

Motion picture 10 min. color 16mm

Using highly imaginative animation, pictures and narrative, this film takes you on a fantastic voyage into the complex microcircuitry of a computer. The film also defines in basic terms such words as flowchart, boolean logic, nanosecond and simulation to give the viewer an enlarged understanding of electronic data processing.

available from: INBM rental: FREE

The Computer revolution 7-A

Motion picture 23 min. sd. color 16mm. guide

General introduction to the computer, emphasizing its present uses and its potential for the future.

available from: LIED rental: FREE

Computer Speech 7-12

Record 5 min. 33 1/3 rpm.

Contains samples of computer-produced (synthetic) speech and a narration explaining synthetic speech and its importance to the study of human speech production and perception. The record jacket contains a discussion of speech synthesis.

available from: BELT rental: FREE

Computer Systems in Personnel Accounting 10-A

Motion picture 23 min. color 16mm

This is the story of the acquisition and application of ADPS in the 4th US Army in the area of personnel accounting.

available from: USAR rental: FREE

Computer Technique for Animated Movies 10-A

motion picture 17 min. b&w

A slowly paced film, with no sound. It describes the process of producing an animated film. The desired animation is programmed using a language developed for the purpose, and the program is fed to a computer which produces the visual display on a video tube, at which the camera is aimed. This film is made by the technique it illustrates. An added section shows an optical paradox filmed this way.

available from: BELT rental: FREE

Computers and Human Behavior 10-A

Motion picture 29 min. sd. color 16mm

Focus on behavior series

Research and experiments with electronic digital computers seeking to discover ways in which man thinks.

available from: LIED rental: FREE
OCEP

Computers At Work 9-12

Motion picture 12 min. color 16mm

Views the computer under actual working conditions - helping produce toys, improving instruction techniques in schools, helping to launch space ships, etc. Film offers the kind of realism that is so important in emphasizing computer studies and relating those studies to work.

available from: MCID rental: FREE

Computers can talk 10-A

Audio tape 1 reel 7 in. 7.5 ips. full track

Examples of computers talking, singing, and playing the piano.

available from: BELT rental: FREE
LIED

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Computing logarithms from arithmetic and geometry series 5-10
Motion picture 29 min. b&w 16mm

A brief insight into the early history of logarithms provides an interesting background for an explanation of the computation of logarithm tables using the ratio method and interpolation. Finally, the use of log tables is explored briefly, with the emphasis on the differences between the Mantissa in the tables and the characteristics that must be developed by the user of the tables.

available from: MCID rental: FREE

Concept of the Century for Manufacturers 10-A
Motion picture 20 min. color 16mm

A graphic look at the features and functions of the applied system for manufacturers. Demonstrates the effectiveness of reports generated on the NCR Century computer for material requirements planning and production-scheduling and control.

available from: NCRC rental: FREE

Control Data at CERN 10-A
Motion picture 25 min. color 16mm

CERN is the 13-nation Central European Organization for Nuclear Research located near Geneva, Switzerland. The first 2/3's of the film explains the type of work performed at CERN, the area and people, the unique scientific experiments, and the array of unusual equipment. The last 1/3 is devoted to how one of the world's largest and fastest computers, the Control Data 6600, solves the complex problems at CERN by its amazing speed and accuracy. It also shows how the peripheral equipment interrelates to the main control.

available from: CDCO rental: FREE

The Control revolution 10-A
Motion picture 30 min. sd. b&w 16mm.
Computer and the mind of man series

Explains how the development of the computer has made possible the automatic control of routine tasks in government, industry, and general business. Includes demonstrations of the use of computers in various governmental offices and businesses.

Comments on the value of computers in administration and management.

available from: LIED rental: FREE

Controller-Computer Partnership 10-A

Motion picture 8 min. 16mm

How American computer technology is being applied to the heart of the aviation system, permitting controllers to spend their time making vital flight decisions, with computers performing the routine clerical chores.

available from: FEAA rental: FREE

A Customer is a Customer is a Customer 10-A

Motion picture 30 min. color 16mm

The story of NCR's Central Information File for banks. Designed to show how CIP affects banks and their customers.

available from: NCRC rental: FREE

DAC-1---Reactive Displays 10-A

Motion picture 19 min. 16mm

About the expanded powers of a computer that responds in visuals. Heretofore, computers could operate only in the language of coded numbers. This new computer system has broken through that barrier, and can actually write and draw. Of particular value in giving college students an insight into the technological world into which they will soon be graduating.

available from: GMOT rental: FREE

The Dallas Symposium 10-A

Motion picture 20 min. color 16mm

A documentary on the first, one-company Business Efficiency Symposium, the film is a brief look at all of NCR's systems and equipment. It is a showing of the broad scope of the NCR Co. operations.

available from: NCRC rental: FREE

Data Processing: Inventory Principles 10-A

Motion picture 14 min. color 16mm

In this film students are introduced to the "card" as it is used in punched card data processing. Demonstrations show the organization of the card into Rows, Columns and Zones and describe how the card is divided into fields to accommodate specific jobs. The principle of alphabetic and organization of data is explained as is the method by which the data processing machines read the information contained on the "card".

available from: BUEF rental: 16.00

Decisions, Decisions, Decisions 10-A

Motion picture 12 min. b&w 16mm

A description of Simulations, or "games", using the Univac I at Franklin Institute, Philadelphia, Penn. The film, made during an actual "play", summarizes the objectives, goals, and results. Tangible as well as formulative, realized by the participants.

available from: UVAC rental: FREE

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Digital computer techniques: Computer logic 12-A
Motion picture 13 min. sd. color 16mm.

Defines several meanings of logic, shows the difference between the decimal and binary number systems, and explains how binary numbers are constructed and how arithmetical operations are performed with them.

available from: LIED rental: FREE

Digital computer techniques: Computer units 12-A
Motion picture 24 min. sd. color 16mm.

Describes the input unit and how it reads the problem data, the output unit and how it delivers problem solutions, the arithmetic unit and how it works, and the function of the control unit.

available from: LIED rental: FREE

Digital computer techniques: Introduction 12-A
Motion picture 16 min. sd. color 16mm.

Explains historical origins of calculating devices; differences between analog and digital computers; and principal steps involved in solution of problems subjected to the computer.

available from: LIED rental: FREE

Digital Computer Techniques - Logic Element Circuits 10-A
Motion picture 20 min. color

The film shows the application of solid-state electronic devices to computer circuits. A general discussion of AND and OR gates and their operation precedes the explanation of transistors. The use of transistors in the gates is covered. Shows the handling of binary information in the form of different voltages. The inverter, NOR gate and flip-flop circuitry is discussed, while the illustrations are good, the film should have an extensive supplementary elaboration by a scientific or technical person, or should be shown to an audience with that background.

available from: USNA rental: FREE

Digital computer techniques: Programming 12-A
Motion picture 14 min. sd. color 16mm.

Defines computer programming, explains how to analyze a problem; shows how a simple flow chart is prepared and how instructions to the computer are encoded in computer language.

available from: LI&D rental: FREE

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Early Warning 10-A

Motion picture 25 min. color 16mm

The Veterans Administration Hospital, in Minneapolis, Minnesota, now has one of the most extensive computerized patient-monitoring setups in the nation. A Control Data 3300 computer, by performing separate functions simultaneously, is assisting the V.A. Hospital staff in saving lives. While the computer is analyzing monitored data from patients in the intensive care ward, it is also continually calculating, during surgery, the patient's cardiac output and other vital information.

available from: CDCO rental: FREE

Electronic computers and applied mathematics 7-A

Motion picture 23 min. 16mm b&w

The basic principles and operation of electronic computers and the use of binary arithmetic. Discusses unusual uses of computers to stimulate interest in careers in mathematics and science.

available from: OCEP rental: 5.00

Electronic Computers Improve Management Control 10-A

Motion picture 15 min. color 16mm

Emphasizes time-saving capabilities of the computer.

available from: UCAL rental: 12.00

The Electronic Shelf 10-A

Motion picture 20 min. color 16mm

Shows how UNIVAC computers can solve complex problems of information retrieval.

available from: UVAC rental: FREE

Electronics in Automation 10-A

Motion picture 22 min. b&w 16mm

Shows many opportunities in automation electronics. Illustrates the applications of electronics and computers in production processes and modern offices. Film is suited for vocational guidance.

available from: DEVT rental: FREE

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Elementary Principles of Analog Computers 10-A

Motion picture 28 min. color 16mm

How the analog computer guides anti-aircraft missiles; the advantages of computers; differences between digital computers and analog computers; how an analog computer works.
available from: UMIC rental: 1.50

Energy from the Sun 7-12

Laboratory kit

This experiment is for use in the school laboratory only under a teacher's supervision. The kit contains all the materials a student needs to make his own solar cell. In fact, it provides him with all he needs to make four solar cells. Students working with this experiment engage in a creative process that, only a few years ago, required million-dollar resources and specialized research personnel. The kit also contains a comprehensive book written by Dr. Daryl Chapin, one of the co-inventors of the Bell solar battery.

available from: BELT rental: FREE

Engine At the Door 10-A

Motion picture 29 min. b&w 16mm

Computer and the mind of man series

Discusses question of will machines ever run man. Points out that the wise and beneficial use of science and technology is man's responsibility.

available from: OCEP rental: 5.00

Fire Loss Management Part II--Computer Installations 10-A

Motion picture 20 min. 16mm

Engineers of the Atomic Energy Commission discuss the problems of fire protection of data processing installations. Specific methods are included, for the building housing the computer and for the computer room and the computer itself.

available from: UAEC rental: FREE

The Flow Process Chart (A) 10-A

Motion picture 20 min. b&w 16mm

The first part of the film shows the step-by-step method of how to make a flow chart. The second part shows a nurse making a flow process chart of a procedure for ordering drugs from the pharmacy.

available from: MODT rental: 12.00

The Flow Process Chart (B) 10-A

Motion picture 20 min. color 16mm

The processing of an expense check requisition serves as the vehicle for teaching the creation of a flow process chart.

available from: MODT rental: 12.00

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Flow Process Chart and How To Use It 10-A

Motion picture 23 min. color 16mm

Shows how to prepare a flow process chart for use in the study and application of work simplification, transportation, storage and inspection.

available from: UNIW rental: 7.00

The Flow Process Chart and How to Use It 10-A

Motion picture 15 min. color 16mm

Shows the use of a flow process chart in the study and application of work simplification, the meaning of the symbols used on such a chart, and the use of the chart in analyzing the relatively simple job of shaving.

available from: PURU rental: 1.75

**Focus on behavior series see
Computers and Human Behavior**

From Sun to Sound 7-12

Laboratory kit

All the components necessary to build a transistorized, solar-powered oscillator are included in this kit. Another important part of this kit is a book written by George R. Frost of Bell Laboratories. This book discusses the theory of the transistor, solar cell, transformers, and capacitors.

available from: BELT rental: FREE

The Green Light 10-A

Motion picture 14 min. color 16mm

A contemporary look at the modern computerized office. Comparison of old and new methods of gathering and storing information. Stresses the usefulness of learned skills in pursuing an office career.

available from: BUEP rental: 14.00

Guidance and Navigation 10-A

Motion picture 6.5 min. 16mm

Presents a report of the intricate problems of guiding the American astronauts on their voyages and the ways in which these problems are solved. Shows the special techniques

used to guide vehicles and spacecraft from earth to the moon and back.

available from: NASA rental: FREE

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House of Science 10-A

Motion picture 14 min. color 16mm

Not only does this film show the development of science and natural philosophy, it also dispels many illusions concerning the limitations of the field. Scientific procedure is shown to be a natural process arising out of man's curiosity about the world he lives in, and out of the increasing confidence which understanding brings. This is a single screen version of the multi-screen presentation to the U.S. Science Exhibit at Seattle.

available from: INBM rental: FREE

How to Succeed Without Really Flying 10-A

Motion picture 28 min. 16mm

Young FAA air traffic controllers, men and women, tell it like it is in this unusual behind-the-scenes look at one of aviation's most challenging careers. Actual controllers star in this film that describes what air traffic control offers as a profession, and how it provides rapid career advancement, professional status, high pay, and a rewarding sense of personal achievement. Especially recommended for television, high schools, colleges, and military separation centers.

available from: FEAA rental: FREE

IBM: Close Up 10-A

Motion picture 21 min. color 16mm

A documentary look at IBM, its people and their views of the technology with which they are working. A cinema verite film produced by Roman Kroitor, producer of "Labyrinth" for Expo 67. Included are glimpses into real life applications of computers in education, medicine, space and textile design.

available from: INBM rental: FREE

IBM World's Fair Puppet Shows 10-A

Motion picture 10 min. color

Presents two of the puppet shows on display at the IBM Pavillion at the New York World's Fair. In one playlet, Sherlock Holmes unravels the mysterious disappearance of the Glasgow Express by using computer logic. The second playlet is entitled "Computer Day at Midvale"--the town of Midvale celebrates the installation of its first computer.

available from: INBM rental: FREE

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Impulse '90 10-A

Motion picture 25 min. 16mm

A look at the cashless and checkless world of the future with a Universal Credit Card handling all spending and borrowing transactions using a computer.

available from: MODT rental: FREE

Incredible Machine

Motion picture 14 min. color 16mm.

Shows how scientists at the Bell Telephone Laboratories are using computers to help plan communication systems. The film contains sequences of computer-generated movies, photographs, music and speech.

available from: BELT rental: FREE

Information Explosion 10-A

Motion picture 21 min. color 16mm

A non-technical film to show the computer's role in society. Uses filmed sequences of manufacturing processes and the man-in-space program.

available from: PESU rental: 7.30

The Information machine 7-A

Motion picture 11 min. sd. color 16mm.

Animated account of the development of the electronic computer, beginning with primitive man and ending with the advent of machine simulation. Describes man's need to widen and strengthen his knowledge by collecting, storing, and correlating data.

available from: INBM rental: FREE
LIED

Information Processing 7-12

Film loop 8mm si. color 4 min.

Diagrammatically separates a computer in five component parts and traces the flow of information between these components.

available from: BELT rental: FREE

Information Retrieval 10-A

Motion picture 18 min. color 16mm

How a theoretical but typical large company solves its communication problems by adopting modern information retrieval procedures, using conventional IBM data pro-

cessing systems. Deals with KWIC indexing, research project retrieval, SKI, document retrieval and skill indexing.

available from: UNIC rental: FREE

Input/Output 7-12

Film loop 8mm si color 4 min.

Shows several devices for conveying information into and out of computers: punched cards, magnetic tape, microfilm and cathode ray tubes.

available from: BELT rental: FREE

Inquiry 10-A

Motion picture 17 min. color 16mm

Explains role of data processing equipment in key functions of government and society.

available from: INBM rental: FREE

Inter-Loc 10-A

Motion picture 20 min. 16mm

Total systems concept in field of data reporting designed for better management control developed jointly by IBM and Lockheed-Georgia Co. as a real-time, on-line system.

available from: LOGE rental: FREE

An Introduction to an EDP Center 10-A

Motion picture 11 min. color 16mm

A film showing the operations of an EDP center and the relationship of the center to the businesses it serves. Illustrates one method that smaller businesses can utilize to achieve benefits of edp.

available from: NCRC rental: FREE

Introduction to Analog Computers 10-A

Motion picture 2 hours color 16mm

This three-part technical lecture-film by Dr. L.C. Just of Arconne's Applied Mathematics Division includes components of electronic analog computers, familiarization with a typical analog computer, and programming for analog computers. Solution of typical problems.

available from: UAEC rental: FREE

Introduction to Automatic Data Processing 10-A

Motion picture 11 min. color 16mm

Explains underlying concept, capabilities, operation, and application as a new management tool. Systems in use in

Government installations. Present and possible future uses for ADPS in Army relative to administrative and tactical aspects.

available from: USAR rental: FREE

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Introduction to Digital Computers 7-A

Motion picture 24 min. color 16mm

Shows what a computer is and how it works and what good it does. Animation explains input, control, arithmetic, memory and output--the five basic computer parts.

available from: UVAC rental: FREE

Introduction to Feedback 10-A

Motion picture 12 min. color 16mm

Feedback--the cycle of measuring, evaluating, and correcting--has become a science and an art. We are shown its growing importance in our daily life. Best suited for audiences with some interest in science and technology.

available from: INBM rental: FREE

Introduction to NAS (National Airspace System) Enroute to Stage A 10-A

Motion picture 30 min. 16mm

For technical audiences, this film explains in depth FAA's semi-automatic system for expediting en route air traffic control. Advanced radar systems, "alpha numerics" and the controller's computerized working environment are featured.

available from: FEAA rental: FREE

It's Your Move 10-A

Motion picture 15 min. color 16mm

A film describing the Electronic Accounting System for automotive dealers. Scenes were filmed on location at the pilot installation and show the equipment in operation, the reports generated by the system, data center operations, and customer training.

available from: NCRC rental: FREE

JOSS: Johnniac Open Shop System 10-A

Motion picture 22 min. 16mm

Demonstrates an on-line time-shared system under development.

available from: RANC rental: FREE

LINK 10-A

Motion picture 8 min. color 16mm

Explains that current experiments in high energy physics involve the analysis of immense quantities of data. An experimental approach at Argonne National Laboratory centers about a series of programs which match points in the photographs and draw a curve bit by bit. LINK, the program which draws the curve, utilizes an unusual trial-and-error approach which is illustrated by photographs. The sound track is computer-generated avant-garde music composed on a CDC-3600 computer. The result is an interesting study in computer-performed music which accurately matches the mood of the computer-high energy physics work pictured.

available from: UAEC rental: FREE

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Living Machine 10-A
Motion picture 39 min. h&w 16mm 2 reels

This film explores the progress already made in electronics technology. Part I demonstrates the artificial intelligence of machines by scenes of an IBM computer playing checkers and simultaneous language translations, using English and Russian typewriters. Part II explores the impact of computer technology on our society.

available from: FLSU rental: 9.65

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Logic by Machine 10-A
Motion picture 30 min. 16mm
Computer and the mind of man series

Basic introduction to computers. The computer revolution, the relationship of man and machine, and the relationship of the symbolic world of mathematics to the real world of objects and events.

available from: OCEP rental: 5.00

Machines that think 10-A
Motion picture 29 min. 16mm

Research at Argonne into uses of computers--stressing non-numerical applications, included the manipulation of symbols. Interpretation of spark chamber photographs, control of laboratory apparatus.

available from: UAEC rental: FREE

Magnetic Cores-Part 1-Properties 10-A
Motion picture 29 min. color 16mm

Properties of magnetic cores, and their application in data processing systems.

available from: USAR rental: FREE

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Magnetic Cores-Part 2-Basic Circuits 10-A

Motion picture 30 min. color 16mm

Explains the three basic transfer loops employing magnetic cores: single diode loop, split-winding loop, and inhibit loop.

available from: USAR rental: FREE

Man and Computer...A Perspective 10-A

Motion picture 20 min. color 16mm

A primer on some of the basic elements in data processing, such as input, output, storage and control. These are explained in detail in both live action and animation, with examples showing how they work and what functions they perform. In addition, the binary system is illustrated and defined in an understandable and graphic manner.

available from: INBM rental: FREE

The Managerial Revolution 10-A

Motion picture 26 min. 16mm

The course and development of American industry from Henry Ford to the space age, highlighting the factors and forces that have shaped our times: the return to normalcy following World War I, the New Deal, World War II, the age of the atom, and the revolution in management techniques brought about by the partnership of science and industry. The mass production revolution, birth of big industry, relations between labor and capital, and the expanded role of the government. Narrated by Hal Holbrook.

available from: ASSS rental: FREE

Managers and Models 10-A

Motion picture 30 min. 16mm

Computer and the mind of man series

Camera visits Marshall Space Flight Center, a chemical company, and a sugar refinery to examine design and simulation capabilities of digital computers.

available from: OCEP rental: 5.00

A Map for Project Control 10-A

Motion picture 17 min. color 16mm

File demonstrates how MAP, using critical path techniques can be used to control small scale projects without using a computer.

available from: NODT rental: 12.00

Mark of Man 10-A

Motion picture 20 min. color 16mm

A study of the ways man has used data processing
from ancient times to the present.
available from: SEDY rental: FREE

The Marvelous Calculator 10-A

Motion picture 19 min. color 16mm

This film traces the history of the computer, beginning with its earliest known origin and continuing to the present day. Two Minnesota television personalities narrate this film which was produced by Control Data Educational Institutes.

available from: CDCO rental: FREE

Memory Devices

Motion picture 28 min. color 16mm.

Shows information storage devices used in modern computing machine memories. Explains how binary information is stored.

available from: BELT rental: FREE

Memory Devices 7-12

Film loop 8mm si. color 4 min.

Gives examples of commonly used computer memory devices and indicates how each stores information.

available from: BELT rental: FREE

MICRO 10-A

Motion picture 14 min. color 16mm

Multiple screen images and a music score plays on the Moog electronic sounds synthesizer. Depicts a miniature universe of solid state communications devices. Manufacture of tiny electronic components. The laser and holography.

available from: WESE rental: FREE

Miracles of Magnetic Recording 10-A

Motion picture 21 min. color 16mm

Traces growth of magnetic recording and applications in radio, TV, industry, space, data processing, and consumer use. Cartoon animation explains basic principles of magnetic recording.

available from: AMPX rental: FREE

A Missile Named Mac

Motion picture 10 min. color

An animated cartoon film, illustrating ballistic missile

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guidance. Illustrates the part played by the computer in the system, but gives little depth.

available from: BELT rental: FREE

Mission Control 10-A

Motion picture 6 min. color 16mm

Presents a look at Mission Control in Houston where flights are monitored and controlled. Shows a variety of means of displaying information on a flight in progress and the methods of control.

available from: NASA rental: FREE

Modern Business Machines 10-A

Motion picture 17 min. color 16mm

Demonstrations of expensive machines not commonly available in business education classrooms: dictation, lithographing; and autotyping machines.

available from: UNIC rental: 3.50

Modern Merchandise Management 10-A

Motion picture 23 min. color 16mm

An audio-visual report on the use of retail classification systems combined with edp.

available from: NCAR rental: FREE

More Cards...Less Time 10-A

Motion picture 15 min. 16mm

Introduces the 1710 VIP, and 1720 sorter. Illustrates the operational advantages of keypunch processing. Good for operators as well as for managers.

available from: UVAC rental: FREE

NCR 315 Data Processing System 10-A

Motion picture 25 min. color 16mm

A complete description of the features and operation of the 315 computer system.

available from: NCRC rental: FREE

The NCR 390 Data Processing System 10-A

Motion picture 20 min. color 16mm

A complete description of the features and operation of this computer system.

available from: NCRC rental: FREE

The NCR 420-1 Optical Character Reader 10-A

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Motion picture 18 min. color 16mm

This film describes the Optical Reader and its operation, and demonstrates how the 420 functions in an EDP system.

available from: NCRC rental: FREE

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The New Numbers: 10-A

Motion picture 17 min. color 16mm

Describes the techniques and procedures used by USDA's Statistical Reporting Service in making enumerative and objective surveys of crop yields. Emphasis is given to the procedures used in the field for counting, measuring and weighing plant characteristics associated with yield per acre of cotton, corn, wheat, and tree fruits. Shows the modern methods used in this data collection.

available from: USDA rental: FREE

915 Optical Character Reader 10-A

Motion picture 11 min. color 16mm

Use of Control Data's highly successful OCR page reader in a variety of applications for immediate translation of ASA-font typewriting into digital terms recorded on magnetic tape.

available from: CDCO rental: FREE

1999 (House of Tomorrow) 10-A

Motion picture 35 min. color

Sponsored by Philco-Ford, the film has some commercial aspects. It shows a family of 3 and how their life might be lived in 1999, including education, health, recreation, occupation, and home life. Emphasizes the technological inventions which serve the people.

available from: CINW rental: 5.00

MCID

Now World of the 9400 10-A

Motion picture 25 min. 16mm

Describes the UNIVAC 9400 system, including power and speed of various configurations.

available from: UVAC rental: FREE

Nuclear Innovations in Process Control 10-A

Motion picture 17 min. color 16mm

Depicts the great versatility and sophistication of nuclear methods now available for control of industrial processes and for non-destructive testing. The rapid response time of these techniques makes it possible to incorporate nuclear instrumentation into a loop that

provides, for example, automatic control of paper production, and into many steps of the processing of iron ore.

available from: UAEC rental: FREE

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Numerical Control Parts Programming 10-A

Motion picture 13 min. color 16mm

Shows how computer aided design is used to produce pulleys by preparation of a computer tape to drive numerically controlled machines.

available from: LOGE rental: FREE

Numerical Control with the Low Price Tag 10-A

Motion picture 18 min. color 16mm

Describes numerical tape controls for a metalworking shop training. Traces steps in programming for n/c machines, and shows how n/c can be fitted to existing machines or tools, or combined with new equipment.

available from: SUEL rental: FREE

Of Men and Machines 10-A

Motion picture 30 min. b&w 16mm

Investigates human behavior in highly-complex man-machine systems. Shows ways man processes information and handles the dynamics of information feedback between man and machines.

available from: OCEP rental: 5.00

The On-Line Story 10-A

Motion picture 33 min. color 16mm

On line is the use of telephone lines to link widely separated operations of a company directly to a central computer. This film visualizes several applications of the system by visiting user installations.

available from: NCRC rental: FREE

Once Upon a Punched Card 10-A

Motion picture 9 min. color 16mm

An easy-to-understand explanation of the basic principles of punched card accounting.

available from: INBM rental: FREE

Pacemakers 10-A

Motion picture 18 min. color 16mm

Film tells how several countries in Latin America are benefiting from electronic data processing in both government and business applications.

available from: INBM rental: FREE

The Path to Profits--Knowing Your Customer 10-A

Motion picture 33 min. color 16mm

A filmed adaptation of C.L. Keenoy's presentation to the American Bankers Association. Details the use of the Central Information File in marketing banking services.

available from: NCRC rental: FREE

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Pattern, Purpose, and Prospect 7-A

Motion picture 25 min. color

The film describes what a computer is and what it can do, and compares it with human capabilities. The social impact is discussed, with emphasis on the computer as a tool in various applications. The functional units of a computer are described, especially several out-put devices. The ALGOL 60 language is used as an example of a computer language. Several computer applications are shown, including simulation. The film is English, and makes several references to items of English life possible unfamiliar to Americans, such as the "6th form", the highest level in their secondary schools.

available from: BRCC rental: FREE

Plan for Improvement 10-A

Motion picture 20 min. color 16mm

Tells what the flow process chart is, why it is used, where and when it is made, and who should make it and how. Discusses each major part of the chart.

available from: MODT rental: 12.00

Postal Source Data System 10-A

Motion picture 17 min. 16mm

Shows how new business management principles will aid management and employees of the Postal Service. The system links facilities handling over 80 percent of the nation's mail.

available from: USGP rental: FREE

Progress in Air Traffic Control 10-A

Motion picture 20 min. 16mm

This film reviews the history of air traffic control and depicts techniques and systems now in operation. Describes plans for improved control in the future and for the conservation of air space to handle traffic increases.

available from: USAF rental: FREE

Punched Card Data Processing: Accounting machine; Calculator; Collator 10-A
Motion picture 14 min. color 16mm
Film deals with last steps in punched card data processing, and the machinery that concludes the process. Gives detailed demonstration.
available from: UILL rental: 5.30

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Punched Card Data Processing: Introductory Principles 10-A
Motion picture 14 min. color 16mm
Introduces punched card data processing. Shows cards in rows, columns, and zones, and how the card is divided into fields to accommodate specific jobs.
available from: UILL rental: 5.30

Punched Card Data Processing: Programming the Key Punch 10-A
Motion picture 13 min. color 16mm
The film details programming functions of the key punch machine, and introduces a verifier. Film also shows preparation of several different program cards.
available from: UILL rental: 5.30

Punched Card Data Processing: The Interpreter and Control Panel Wiring 10-A
Motion picture 12 min. color 16mm
The film describes the various sections of the interpreter, including the reading and print units. Shows control panel wiring.
available from: UILL rental: 4.65

Punched Card Data Processing: The Reproducer 10-A
Motion picture 14 min. color 16mm
Demonstrates several card reproducing techniques to show the functions of the reproducer.
available from: UILL rental: 5.30

Punched Card Data Processing: The Sorter 10-A
Motion picture 14 min. color 16mm
Introduces the sorter. Also gives a visual analysis of its parts and how they function.
available from: UILL rental: 5.30

Quality and Cost Advantage through Modern Machine Tools 10-A
Motion picture 17 min. color 16mm
This film presents a sampling of special purpose production machine tools for a variety of industries. Also featured is a tape controlled machine.
available from: KEAT rental: FREE

The Question Tree 7-A

Motion picture 13 min. color 16mm

An exploration of man's age-old curiosity concerning the world around him...and where this curiosity has led him.

The story of how intelligent questioning leads to scientific discovery. Includes sequences on cryogenics, language translation, vapor growth and the optical maser.

available from: INBM rental: FREE

Quicker than you think--digital computers 10-A

Motion picture 30 min. sd. b&w 16mm. guide

Adventure in number and space series

Evolution of primitive counting systems into the modern digital computer. Includes an explanation of the binary counting system.

available from: LIED rental: FREE

Regional Systems Center 10-A

Motion picture 12 min. color 16mm

A visual tour of NCR's first regional systems center in Hartford, Connecticut. The film describes the functions of the center and shows the various NCR data processing systems in use there.

available from: NCRC rental: FREE

Response to the Challenge 10-A

Motion picture 18 min. color 16mm

Film discusses features of the 400 Electronic Accounting Machine.

available from: NCRC rental: FREE

Right of Privacy 10-A

Motion picture 59 min. color 16mm

Picture takes the stand that the proposed National Data Center is a danger to every American Citizen.

available from: UCAL rental: 16.00

School Information Center 10-A

Motion picture 11 min. color

This film contains discussion areas of application of data processing in schools. Included are student records, such as individual cumulative file, report cards, schedules, and class listings. Census, counselor's back-up information, and school district business applications are also covered.

available from: INBM rental: FREE

The Second Man 7-A

Motion picture 10 min. b&w

An example of computer graphics as applied to the display of human body motions. A graphic, three-dimensional representation of the human body is examined, one section at a time, showing the different possible motions of each section. An interesting part of the film shows the body in different activities such as running and sitting.

available from: BOEC rental: FREE

The Secondary Schools and Computers 10-A

Motion picture 20 min. 16mm

An IBM 1620 computer in action shows some of the things a computer can do in a high school. Traditional work is demonstrated by the solution of a system of four simultaneous linear equations. Advanced work is represented by a problem from differential calculus. By calculating some prime numbers and by displaying some very large factorials, it is shown how a computer can provide some amusing sidelights to the world of mathematics.

available from: RANC rental: FREE

Sign On/Sign Off 10-A

Motion picture 24 min. color 16mm

Basic methods of computer-assisted instruction (CAI) are presented in nontechnical terms to introduce the importance and effectiveness of computers as a principal teaching source for individual students. Standard classroom procedures are contrasted with sequences at the computer terminal where students are not only given a program by the computer but also aided and advised by it. Because the student-teacher ratio is 1:1, because the machine is flexible, accurate, fast, and has a vast amount of readily available material, CAI is seen to be extremely efficient and effective. Short descriptions of the tutorial and inquiry methods of computer-assisted instruction are presented. Instructive and thorough, though some of the audio portion is distorted.

available from: PESU rental: FREE

Six in Electronics 10-A

Motion picture 22 min. color 16mm

Follows the careers of six graduates of the DeVry Institute of Technology. This Institute, one of the Bell and Howell Schools, trains students in the areas of communications, computers, TV, electronics, and other technical careers.

available from: BAHP rental: FREE

The 640-200 Printer 10-A

Motion picture 11 min. color 16mm

A visual description of the hardware features of this fast printer available from NCR.

available from: NCRC rental: FREE

Small Miracle 10-A

Motion picture 14 min. color 16mm

Examines such varied subjects as highway design, shoe retailing, teaching, and other everyday endeavors. In an imaginative portrait of the world around us, the film describes man's never-ending search for knowledge, and in this way helps to place modern technology in historic and philosophic perspective.

available from: INBM rental: FREE

Story of the Century 10-A

Motion picture 25 min. color 16mm

A colorful look at NCR's newest computer system. The film describes the many features of the system--from manufacture to software--and also shows its many peripherals and applications.

available from: NCRC rental: FREE

Systems 10-A

Motion picture 14 min. b&w 16mm

Gives simple explanation of how complex computers serve government, science and industry. Problems range from airline reservation systems to ground control of manned space flight.

available from: INBM rental: FREE

Technological Development 10-A

Motion picture 30 min. b&w 16mm

Examines role technology has played in American business and shows how competition produces a constant search for better products and processes.

available from: INDU rental: 6.75

The Thinking Machine 10-A

Motion picture 34 min. b&w 16mm

Highlights of TX-0 digital computer, and shows what machines do that looks like thinking and what this may mean in the future. Film is from the CBS-TV Tomorrow Series.

available from: PESU rental: 10.70

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Thinking machines--horizons of science 7-A
Motion picture 19 min. sd. color 16mm. guide
A survey of the capabilities and general characteristics
of electronic brains. Describes the work of several
scientists in this area.
available from: LIED rental: FREE

The Thinking Machines 7-A
Motion picture 16 min. sd. color 16mm.
Describes the computational processes of the electronic
computer and compares these processes with the thinking
capability, logic, and creativity of the human brain.
available from: BELT rental: FREE
LIED

This Business of Numbers 10-A
Motion picture 20 min. 16mm
An animated coverage of arithmetic from cavemen to the
present day. Numbers for counting and for data process-
ing are included.
available from: UVAC rental: FREE

Time Sharing 10-A
Motion picture 30 min. b&w 16mm
Describes time sharing program system developed at
Systems Development Corp. It is a well done explanation,
clear and straightforward. Time sharing is defined, along
with a discussion of its value, the motivation for it,
and objections of time sharing in problem solving. Air-
craft interception is used as an example to show how a
user enters and uses the system. The TINT language
is defined.
available from: WESE rental: FREE

Time, Tempo, and Money 10-A
Motion picture 22 min. color 16mm
Introduces the UNIVAC 9000 series of computers and
shows their advances.
available from: UVAC rental: FREE

Tomorrow? 10-A
Motion picture 30 min. b&w leader's guide background paper
This film is intended to stimulate thought and
discussion about the effects of automation, and succeeds
well. Some argument for each side of an issue is presented.
Other points of discussion concern labor-management relations,
education and re-education, new patterns of life and thought,

and the role of the church.

available from: UCOC rental: 10.00 .
UCAL

Tomorrow's Programmers 10-A

Motion picture 25 min. color 16mm

A 90-hour summer course in computing, held in 1964, is shown with a commentary. The course was held for 22 gifted twelve-year-olds at Santa Monica High School. The candid photography shows the response of the class to work centering around an IBM 1620.

available from: RANC rental: FREE

A Traveler Meets Air Traffic Control 10-A

Motion picture 29 min. 16mm

Following two travelers on a jet trip, this film gives an excellent layman's explanation of the FAA's air traffic control system. Since the film was introduced, air traffic control has been undergoing a variety of semi-automated improvements.

available from: FEAA rental: FREE

2001 7-A

Motion picture 25 min.

Walter Cronkite narrates this film showing the world of tomorrow and the way the computer is a help and an essential in the house.

available from: RARI rental: FREE

Universal Machine 10-A

Motion picture 30 min. 16mm.

Computer and the mind of man series

The capability of the computer to do whatever man is capable of instructing it to do, limited only by man's ability to feed it with data and instructions.

available from: LIED rental: 5.00
OCEP

Universe of numbers 10-A

Motion picture 30 min. 16mm.

Computer and the mind of man series

The history of computer development from the first mechanical calculator invented by Blaise Pascal in the 17th century to the first completely electronic calculator built in the mid-1940s.

available from: LIED rental: 5.00
OCEP

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A View From the People Wall
motion picture 14 min.

This film is a streamlined version of the multi-screen presentation that was shown inside the "IBM Information Machine" void theater at the World's Fair. The subject matter is presented so well that the end result is close to that achieved at the fair.

available from: INBM rental: FREE

Vuqraph 7-12
Manipulative

Printed on rigid plastic with movable parts, this version of CARDIAC can be used as a vuqraph in classroom demonstrations. This device, when used with an overhead projector affords the teacher a step-by-step method of working out a simple problem with the class.

available from: BELF rental: FREE

Way Out Men 10-A

Motion picture 27 min. color 16mm

Story of men in the forefront of the scientific revolution. The most progressive minds in several fields of science and the humanities are shown at work. Discusses electron computers creative enough to write poetry.

available from: UCAC rental: 12.00

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We Used To Call It Printing 10-A

Motion picture 27 min. color 16mm

A recruiting film for printing, stressing the need for careers, and the necessity for people trained in production, computer programming, marketing, administration, even mathematics--and for people who understand our changing society.

available from: DUPD rental: FREE

What is a computer 9-12

Motion picture 19 min. color 16mm

Through the use of animation, this film dispels some of the mysteries about how a computer operates. The computer's main functions are applied to an actual example - planning for space travel.

available from: NCID rental: FREE

What is EDP? 10-A

Motion picture 13 min. color 16mm

Discusses basic principles of electronic data processing. Explains input, storage, processing and output of data.

available from: INBM rental: FREE

What'll It Do For Me? 10-A

Motion picture 22 min. color 16mm

What the UNIVAC 9000 series will do. Customer testimonials prove the ability of the series to perform accurately, swiftly and economically.

available from: UVAC rental: FREE

The World of Numbers 10-A

Motion picture 18 min. color 16mm

A short history of the development of numerical systems combined with a tour of the NCR exhibit at the New York World's Fair.

available from: NCRC rental: FREE

World of Real Time 10-A

Motion picture 15 min. color 16mm

Scenes from organizations using UNIVAC real-time systems. Includes communications for major airlines, shopping chain in Finland, and a large manufacturer.

available from: UVAC rental: FREE

World On the Line...Via Global Communications 10-A

Motion picture 11 min. color 16mm

Technology of global communications, including establishment of Washington-Moscow hot line, Computer Telex Exchange Corp., facsimile transmittal service, satellite station operations, and teleprinting.

available from: MODT rental: FREE

You and the computer 9-12

Motion picture 9 min. color 16mm

Uses live action and animation to focus on an item that is close to you, issuance of a paycheck. Terms, input, storage, calculation, output, and control are clearly defined and demonstrated.

available from: NCID rental: FREE

Zero Hour 10-A

Motion picture 15 min.. color 16mm

The steps taken by several young people from their initial interest in the computer field as a career, which leads them to enrollment at a nearby Control Data Institute; followed by the various phases of classroom instruction with on-site computer training, to completion of their computer pro-

programming and technology courses, and the opportunities
awaiting each graduate.

available from: CDCO rental: FREE

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